

Town of Essex
Inland Wetlands and Watercourses Commission

Revised 4/6/2022

Application # 23-04 Date received by Office 5/2/23 Fee \$60 / state fee only

Owner of Record The Paul Foundation

Home Address One Champlin Square

Mailing Address: _____

Phone: Home/Cell _____ Work: _____

Applicant's Name: TOWN OF ESSEX

Home Address 29 WEST AVENUE ESSEX, CT

Mailing Address: _____

Phone: Home/Cell 860-767-4340 Work: 860-271-3315

Email: r.welch@essexct.gov

Applicant's interest in the land if the applicant is not the property owner _____

Town has a lease on the property

Location of Property by Street & Village Address: 52 West Ave

Map 32 Lot 73 Lot Size 10.11 ac District LI

Check applicable activities occurring in or within 100 feet of wetlands and/or watercourses:

Construction of a structure(s)	_____	Discharge	_____
Other site development work	<u>X</u>	Pond creation/dredging	_____
Deposition or removal of material	_____	Tree removal	_____
Stream altering/channelization	_____	Dam maintenance	_____
Subdivision/Resubdivision	_____	Other	<u>X</u>

Nature of Request: Explain in detail the extent of any activity checked above, the type of material, and the equipment to be used to complete project. (Use additional sheets if necessary.)

- SEE ATTACHED -

Estimated length of time for project : 5 DAYS

Note:

1) TO BE ACCEPTED BY THE LAND USE OFFICE. THIS APPLICATION MUST BE COMPLETED, SIGNED, AND SUBMITTED WITH THE REQUIRED FEE(S) AND MAP(S) PREPARED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS.

2) THE SUBMITTAL OF THIS APPLICATION CONSTITUTES THE PROPERTY OWNER'S PERMISSION FOR THE COMMISSION OR ITS STAFF TO ENTER THE PROPERTY FOR THE PURPOSE OF INSPECTION.

3) I HERBY AGREE TO PAY ALL ADDITIONAL FEES AND/OR ADDRESS SUCH COSTS DEEMED NECESSARY BY THE LAND USE OFFICE AS DESCRIBED IN PART THREE OF THIS APPLICATION.

Explain what alternatives have been considered in connection with this application to avoid altering inland wetlands and/or watercourses?

- See Attached -

ACTIVITY LOCATION (Map with sufficient detail must be submitted as a part of the application)

Approximate number of acres of wetlands (or portion thereof) on the property: 2 acres

Approximate area of inland wetlands to be altered: 0'

Approximate length of watercourse(s) on the property: 350'

Approximate length of watercourse(s) to be altered: 6'

Approximate number of acres of upland review area on the property: 5.5 acres

Approximate area of upland review area to be altered: 190 sqft

If known, are vernal pools or tidal wetlands located on the property? none

If yes, where and how many acres (or portion thereof) on the property? none

Is property located within a Special Flood Hazard Area? NO

If yes, where and how many acres (or portion thereof) on the property? _____

Has the property been flagged by a licensed soil scientist _____

If yes, by who, and when? _____

Will there be water discharge into wetlands? NO

Discharge – Specify Type _____

Please complete the attached State Reporting Form

ADDITIONAL INFORMATION MAY BE REQUIRED DEPENDING UPON THE COMPLEXITY OF THE PROJECT.

State the names of all property owners adjacent to the subject property: *see attached*

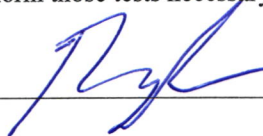
Name of Adjacent Property Owner	Street Address (include Mailing Address if Different)

For large properties, please attach another sheet if necessary.

CERTIFICATION:

The applicant understands that this application is to be considered complete only when all information and documents required by the Commission have been submitted. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief. Permission is granted to the Town of Essex Inland Wetlands and Watercourses Commission and its agent(s) to walk the land, at reasonable times, and perform those tests necessary to properly review the application, both before and after a final decision has been issued.

Applicant's Signature



Date

5/2/2023

Owner's

Signature

Date

Commission Action

Approved

Denied

Date

Agent Action

Approved

Denied

Date

52 West Avenue Essex, CT

Request for Bluestone Patio near Southern edge of pond:

Essex Public Works, The Essex Police Union and The Paul foundation are working together to add additional seating at Sunset Pond. The location is along the southern edge and to the West of the existing wood deck skating platform. The patio shape is a semicircle with a 22' diameter, 13' radius and is approximately 190 sq. ft. There will be 5 teak Adirondack chairs anchored to the patio when completed.

Work on the patio was conducted from 4/24/2023- 4/27/2023 without a permit. Conditions were dry and sunny, 50-60 degrees. 4/27/2023 was cloudy with slight rain at times, 37-45 degrees. To construct the patio, we excavated and removed 10" of soil in a semicircular shape, 1' larger than the patio dimensions. Approximately 5 yards of material was live loaded into a truck with a backhoe and transported back to Essex Public Works Facility stockpile area. Approximately 1 yard of material was left spread out around the semicircle for backfill material. The material was dry and sandy. The base was compacted, followed by 5" of $\frac{3}{4}$ " compacted Tilcon process (approximately 5 tons). To create the semicircle shape, we used 5"x 1/8" steel edging. The top of the steel edge is the top of grade. The patio will pitch 1/4" per foot to the North to match the existing grade. The steel edge was welded and anchored with $\frac{1}{2}$ " rebar, 24" below grade. The 5" steel edge was filled with 3-1/2" of 3/8" native stone. The 3/8" stone is the base for 1-1/2" bluestone. 1-1/2" thermal bluestone was dry laid in a pattern to fill the semicircular shape with $\frac{1}{2}$ " joints. Approximately 90 percent of the bluestone was dry laid on 4/27/2023. A cease and desist was ordered by Carey Duques on 4/28/2023. The remainder of the project includes finishing the bluestone pattern around the radius of the semicircle and using G2 Maxx Polymeric sand to fill the $\frac{1}{2}$ " joints. The outside edge of the patio will be backfilled using existing soil, seeded, and stabilized with straw. The Adirondack chairs will be added later and will be secured so they cannot be moved.

In the discussion about adding seating, we considered alternatives such as keeping the grassy area. However, the increase in foot traffic around the chairs will destabilize the grass leading to increased maintenance of the turf and could cause erosion if left untreated. Other options such as a wood or concrete patio would also require additional maintenance. Dry laid bluestone with a steel edge, backfilled to contain the material, will create a stable site for additional public seating and viewing.



Property Information
Property ID 32 73
Location 52 WEST AVE
Owner PAUL FOUNDATION THE



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Town of Essex, CT makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 4/13/2021
Data updated daily

Print map scale is approximate.
Critical layout or measurement activities should not be done using this resource.

Map Theme Legends

Natural Resource Protection

- ESTUARINE
- Beachshore, B
 - Intertidal Marsh, IM
- PALUSTRINE FORESTED
- Acidic Atlantic White Cedar Swamp, AAWCS
 - Acidic Red/Black Spruce Basin Swamp, AcR/BSS
 - Circumneutral Northern White Cedar Swamp, CirNWCS
 - Floodplain Forest, FF
- PALUSTRINE NON-FORESTED
- Beachshore, B
 - Circumneutral Spring Fen, CirSF
 - Floodplain Forest, FF
 - Freshwater Aquatic, FA
 - Medium Fen, MF
 - Poor Fen, PF
 - Rich Fen, RF
 - Sea Level Fen, SLF
- TERRESTRIAL FORESTED
- Coastal Woodland/Shrubland, CWS
 - Dry Acidic Forest, DAF
 - Dry Circumneutral Forest, DCF
 - Dry Subacidic Forest, DSF
 - Old Growth Forest, OGF
 - Subacidic Cold Talus Forest/Woodland, SubCTFW
- TERRESTRIAL NON-FORESTED
- Acidic Rocky Summit Outcrop, AcRSO
 - Alluvial Grassland/Outcrop, AllG/O
 - Circumneutral Rocky Summit Outcrop, CirRSO
 - Coastal Bluffs and Headlands, CBH
 - Coastal Grassland, CG
 - Sand Barren, SB
 - Subacidic Rocky Summit Outcrop, SubRSO
- ☒ Natural Diversity Area

CT DEEP





Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: _____ month: _____
2. ACTION TAKEN (see instructions - one code only): _____
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

5. TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name): Essex
does this project cross municipal boundaries (check one)? yes ☐ no ☒
if yes, list the other town(s) in which the activity is occurring (print name(s)): _____
6. LOCATION (see instructions for information): USGS quad name: Essex or number: 99
subregional drainage basin number: 4019-09
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Town of Essex
8. NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): 52 West Ave.
briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☒ description: installation of 190 g ft patro within 100 ft of wetlands
9. ACTIVITY PURPOSE CODE (see instructions - one code only): E
10. ACTIVITY TYPE CODE(S) (see instructions for codes): 1, 2, 14
11. WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
12. UPLAND AREA ALTERED (must provide acres): 190 g ft acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



CT DEP # PMBR.02020
NYSDEC# 13326
HIC#0647669

P.O. Box 231 Branford, CT 06405
Branford, CT 06405
Phone: 203.245.1212
Fax: 203.245.2981
www.allhabitat.com

March 2, 2023

Ryan Welch
Director of Public Works
Town of Essex
29 West Avenue
Essex, CT 06426

Dear Ryan,

Thank you for your interest in All Habitat Services' aquatic plant management programs for Sunset Pond located in Essex. We are pleased to offer the following proposal for your consideration.

All Habitat Services strives to provide you with practical options for management of invasive and nuisance plant species, while integrating best management practices for the protection of native plant species. Our management recommendations as presented in this proposal will further improve water quality and aesthetics of your pond. This proposal outlines our treatment recommendations, pricing, and the proposed scheduling for these services.

Scope of Work

Cattail (*Typha latifolia*) is best controlled by applying the aquatic herbicide Clearcast® (Imazamox) using a thin invert emulsion application technique. The herbicide will efficiently translocate into the plant's rhizome system, immediately arresting the growth cycle and limiting the extent of their aboveground biomass. It will significantly reduce stem density and effectively control these stands. The herbicide will be selectively applied to avoid non-target injury and allowing any suppressed species to flourish once these competitive species are eliminated. Application will be conducted by spot spray from a boat using low-pressure backpack sprayers. This is to avoid any possible drift or overspray that could possibly harm the native vegetation.

Cutting the Cattails during the dormant season will reduce the above ground biomass and prepare the site for a more efficient spray application to any new growth emerging in late spring. We use heavy duty, commercial hand trimmers to cut the dead stems into fine mulch. Any cut fragments will be removed from the pond surface and brought to shore.

We are confident that we can provide highly effective control services and that further management needs should decline significantly in the following seasons. Cattail has been identified as persistent native species known for its prolific seed production and underground perennial rhizomes. It is prudent to plan for a multi-year control commitment to ensure a successful program for this site.

Shared Contractor/Client Responsibilities

It is understood that you will assist us in complying with the following:

- Post notification at the property in compliance with CGS 22a-66a-1(h), noting the temporary water use restrictions.
- While no fish mortality is anticipated as a result of a pond treatment, in the unforeseen event fish do die, All Habitat Services shall not be held liable for the loss (replacement/damages).

Cost and Payment Schedule

We have provided separate costs for each aspect of the treatment process. A 25% deposit is due upon acceptance of the proposal. An invoice for the balance will be submitted at the completion of each treatment. Payment, in full will be due upon receipt of the invoice.

Sunset Pond Cattail Management Plan 2023-2025		
Activity	Timing	Cost
2023		
CT DEEP Aquatics Permit	January	\$350.00
Early Season Treatment	June/July	\$600.00
Late Season Treatment	August/September	\$500.00
Dormant Mow & Clean Up	November 2023-March 2024	\$850.00
2024		
CT DEEP Aquatics Permit	January	\$350.00
Early Season Treatment	June/July	\$600.00
Late Season Treatment	August/September	\$500.00
Dormant Mow & Clean Up	November 2024-March 2025	\$650.00
2025*		
CT DEEP Aquatics Permit	January	\$350.00
Early Season Treatment	June/July	\$500.00
Late Season Treatment	August/September	\$500.00
Dormant Mow & Clean Up	November 2025-March 2026	\$600.00
Total Project Services 2023-2025 Costs		\$6,350.00

*Work activity only performed if needed

The above prices are valid for 30 days. Prices are inclusive of all labor, materials, specialized equipment, mobilization, and demobilization costs, unless otherwise specified. Specific mutually agreeable date(s) for this chemical treatment will be scheduled with you in advance. The application will be performed by All Habitat Services, LLC's CT DEEP Licensed Applicator's, in accordance with the product label and the CT DEEP Aquatic Pesticide Use Permit. All Habitat Services, LLC will post the shoreline with printed signs in compliance with CGS 22a-66a-1(h), restricting the above water uses immediately prior to treatment. All Habitat Services, LLC

carries workmen's compensation, liability, and property damage insurance, which will remain in effect throughout the duration of this Agreement.

We hope this proposal meets with your approval and please feel free to contact us if we may be of further assistance to you.

All my best,

David Roach PMCS.0003538
General Manager
All Habitat Services, LLC

